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Examiner : Kevin L. McHenry
Art Unit : 1725
Docket No.: 52433/674

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : H. YAMAMURA et al.
Serial No. : 10/031,349
Filed : January 11, 2002
For : COOLING DRUM FOR CONTINUOUSLY CASTING
THIN CAST PIECE AND FABRICATING METHOD
AND DEVICE THEREFOR AND THIN CAST PIECE
AND CONTINUOUS CASTING METHOD THEREFOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

SIR:

Kindly amend the above-identified patent
application as follows:

In The Claims

Cancel claims 34, 38 and 39, without prejudice.

B/ --31. (Amended) A cooling drum for metal cast
strip by continuous casting, characterized in that: the
thermal conductivity of the base material of the drum is not
less than 100 W/m·K; an intermediate layer 100 to 2,000 μ m in
thickness having the coefficient of thermal expansion of 0.50
to 1.20 times that of said drum base material and Vickers
hardness Hv of not less than 150 is coated on the surface of
said drum base material; a hard plated layer 1 to 500 μ m in

61 thickness having Vickers hardness Hv of not less than 200 is applied on the outermost surface; further on the surface, dimples 200 to 2,000 μm in diameter and 80 to 200 μm in depth are formed so as to contact each other or be adjacent to each other; and on the surface, fine holes 50 to 200 μm in diameter and 30 μm or more in depth are formed so as to have the pitch of 100 to 500 μm but not to contact each other.--
